

OUTLOOK

A WEEKLY NEWSPAPER FOR FACULTY AND STAFF AT THE UNIVERSITY OF MARYLAND AT COLLEGE PARK

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Spring Semester Brings Administrative Changes

Jacob K. Goldhaber, acting Dean for Graduate Studies and Research, has been appointed acting Vice President for Academic Affairs and Provost. He will serve in this capacity while J. Robert Dorfman undergoes medical treatment.

Bruce R. Fretz, professor of psychology and former president of the Campus Senate, has been named acting Associate Provost.

Graduate Studies' acting Associate

Dean Timothy Ng, will serve as acting Dean.

Muriel R. Sloan, assistant Vice President for Academic Affairs, has been named acting Dean of the College of Human Ecology where she replaces Laura S. Sims, who has returned to teaching in the college.

Kathryn Costello, Vice President for Institutional Advancement, has assumed the additional duties of acting director of public information.



(Clockwise from top left) Jacob K. Goldhaber, Bruce R. Fretz, Muriel R. Sloan, Kathryn Costello

New Grant Awarded To Study Endangered Bay Oysters

Ironically, the one animal that could most help save the ecologically—embattled Chesapeake Bay is itself under attack. Chesapeake Bay oysters, long prized for their succulent flavor and now also prized for their ability to filter water, are being killed off by a disease called dermo.

But a new National Oceanic and Atmospheric Administration grant of \$309,000 to College Park and the University of Maryland System's Center

for Environmental and Estuarine Studies (CEES) to study dermo might offer hope not only for oysters in the bay but for the bay itself.

This is because as the bay has become saturated with excess nutrients washed from surrounding land, algae and other plant life thrive, feeding on the abundant nutrients. But as the plant life increases, it consumes much of the oxygen in the water, depriving bay animals, such as fish, of the oxygen they need to survive.

Oysters, however, feed on these over abundant algae in the bay.

And, acting as small vacuum cleaners, they take in water, filter out the algae for food, and expel the resulting filtered water back into the bay.

Unfortunately, however, the number of oysters in the bay is declining sharply. One major reason is dermo. This disease infects many oysters, stunting their growth and causing

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Hiebert, Public Information Director and Outlook Editor, Joins NASULGC

Roz Hiebert, who served as the campus' chief public information officer and editor of *Outlook*, has left the university to become Director of Public Affairs for the National Association of State Universities and Land Grant Colleges (NASULGC) in Washington, D.C.

Hiebert, who came to College Park in 1970 as a part-time writer in what was then the Office of University Relations, also edited *Precis*, the weekly faculty/staff newsletter that preceded *Outlook*. She was appointed director of public information in 1977.

Hiebert joined NASULGC January 6. During her long and distinguished career at College Park, Hiebert received a number of national awards for publications she edited, including the Gold Quill Award of the International Association of Business Communicators, and citations from the American College Public Relations Association.

Both *Precis* and *Outlook* were rated by the Council for the Advancement and Support of Education (CASE) as among the nation's ten top publications for university faculty and staff.

Precis won two 1985 CASE Gold Medals for excellence in writing and *Outlook*, which was launched in September 1986, won CASE Silver Medals in 1987 and 1988.

In recognition of her many contributions to the College Park campus community, Hiebert was named 1987 Outstanding Woman of the Year by the Chancellor's Commission on Women's Affairs. She also was presented with the university's Outstanding Associate Staff Award in 1987 at the annual Faculty and Associate Staff Convocation.

A search committee chaired by Loren Taylor, director of alumni programs, has been appointed to find Hiebert's successor.

In the interim, Kathryn Costello, Vice President for Institutional Advancement, will serve as acting director of public information.

In a related development, Linda Freeman, *Outlook* production editor, has accepted a position with Hiebert at NASULGC. She begins there February 10.



Roz Hiebert and Testudo

CESAR Speaker Series

David Musto, professor of Psychiatry and History of Medicine at Yale University, will be speaking on "America's Response to Drug Use: Lessons from the Past" on Jan. 29 at 3 p.m. in the Stamp Union, Room 2111. This is the first in a series of monthly lectures sponsored by the university's Center for Substance Abuse Research. The lectures are open to the public. For more information call 403-8329.

Alumni Support Through Annual Fund Up 38 Percent; Sadat Chair Receives \$300,000 in Gifts

Despite tough economic times, fund raising efforts at College Park continue to make significant progress.

Alumni support for College Park through the Annual Fund is at an all time high. In the first five months of fiscal year 1992, the Annual Fund has raised \$374,522 from 8,658 gifts and pledges—a 38 percent increase over the same period in FY 1991. The Annual Fund finished FY 1991 with a record \$812,772 in university support.

"We're very pleased with the breadth and depth of our alumni support through the Annual Fund," said Jan George, director of annual giving at College Park. "Given the economic downturn, and the severe budget restrictions placed on us by Annapolis, it is gratifying to see how strongly our alumni believe in the university."

The resources of the Annual Fund are critical to College Park's day-to-day operations. These gifts provide the president with much needed management flexibility,

allowing him to recruit and retain outstanding faculty and fund student programs that would not exist given current state budgets.

Major gifts to programs and activities at College Park also have been received. The endowment fund for The Anwar Sadat Chair for Population, Development, and Peace received a major boost with recent gifts totaling \$300,000. Dr. and Mrs. Frank Agrama have contributed \$200,000 toward the Sadat Chair. Frank Agrama is chairman and CEO of Harmony Gold, a movie and television production studio in Los Angeles. Another gift to the Sadat Chair came from Dr. Ray Irani, chairman and CEO of Occidental Petroleum. Irani contributed \$50,000. Communications magnate Walter H. Annenberg also contributed \$50,000 to the endowment.

The most important initiative of the university's Center for International Development and Conflict Management, the Sadat Chair endowment is

used to support scholarship on the peaceful development of the Middle East and other troubled regions.

"We truly have worldwide support for the Sadat endowment," said Tom Hiles, corporate relations director for the Office of Institutional Advancement. "Not only are dollar amounts significant, the donors represent major leaders in business and government."

In other development news, support for the 1992 Faculty/Staff Campaign is up over last year, with the number of gifts received increasing six percent over the same period in fiscal 1991. Currently some \$110,000 has been raised from the campaign to support campus initiatives such as the Center for Young Children, the Senior Summer Scholars program, and the Key and Banneker scholarship programs.

—Tim McDonough

Neutral Buoyancy Facility Under Construction at UMCP

Construction is underway on a facility that will become the new home of the Space Systems Laboratory at the University of Maryland at College Park.

Known as the Neutral Buoyancy Research Facility, the two-story, 13,000 square-foot structure will house an enormous water tank 50 feet in diameter and 25 feet deep.

Supported by a \$1.2 million grant from the National Aeronautics and Space Administration and a loan

from the UM System, the facility will be one of the four largest neutral buoyancy tanks in the United States, the only one located at a university, and the only one dedicated to and designed around the requirements of basic research.

Research focuses on testing of telerobotic vehicles, advanced human factor systems such as underwater control stations and instrumented work stations in the environment of space.

The facility is being designed and constructed under a design/build contract by Atlantic Builders Group, Inc., of Baltimore. Verkerke Boyles Associates, a Baltimore architectural firm, headed up the design. The project is scheduled for completion this summer.

College Park to Host Annual Maryland Student Affairs Conference

The university will host the 18th annual Maryland Student Affairs Conference, Friday, February 14 in the Stamp Student Union.

Patricia Mielke, director of resident life at College Park, is this year's conference chair.

The conference theme is "These are the Times that Try Our Souls."

The morning keynote speaker will be H. Lawrence McCrorey, dean of the School of Allied Health Sciences at the University of Vermont. He will discuss institutional commitment to multiculturalism.

Kathleen Kennedy Townsend, director of the Maryland Student Services Alliance of the Maryland State Department of Education, will deliver the luncheon keynote address. She

will focus on the importance of involving students, faculty and staff in community service activities.

The Maryland Student Affairs Conference is a regional professional development experience designed to give student personnel professionals and graduate students in the field the opportunity to learn and exchange ideas on pertinent issues in higher education today.

In recent years, the conference has attracted 500 participants representing community colleges, small private colleges, and mid-sized and large universities from states throughout the Mid-Atlantic region.

For registration information, contact Mary D. Gibson at 314-7343.

OUTLOOK

Outlook is the weekly faculty-staff newspaper serving the College Park campus community.

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Letters to the editor, story suggestions, campus information & calendar items are welcome. Please submit all material at least three weeks before the Monday of publication. Send it to Editor *Outlook*, 2101 Turner Building, through campus mail or to University of Maryland, College Park, MD 20742. Our telephone number is (301) 405-4621. Electronic mail address is outlook@pres.umd.edu. Fax number is (301) 314-9344.

UNIVERSITY OF MARYLAND AT COLLEGE PARK

Happy Birthday Mozart Concert

The university is hosting its ninth annual "Happy Birthday Mozart" concert on Feb. 8 at 8 p.m. and Feb. 9 at 3 p.m. in the Tawes Recital Hall. Thomas Schumacher will perform as soloist in Mozart's *Concerto No. 21 in C Major K. 467 for Piano and Orchestra* and Emerson Head will be the soloist in Leopold Mozart's *Concerto for Trumpet*. Both will be accompanied by the University of Maryland Symphony Orchestra, William Hudson, conductor. Tickets are \$15 for regular admission and \$9 for students and senior citizens. For more information, call the Concert Office at 405-5548.

NEWS

New Corporation to Aid International Research, Service Activities

The University Research Corporation International (URCI) has been established at College Park to serve some of the university's educational and research needs.

The non-stock, non-profit corporation is intended to promote and implement scientific research and service activities by administering externally funded international research and service grants. It is not part of the university nor is it a state agency although it is subject to state regulations governing all similar non-profit corporations in Maryland.

The corporation's affiliation with the College Park campus was approved by the UM Board of Regents last August. It was incorporated in the State of Maryland in November.

URCI is an outgrowth of a commit-

ment made by the university in obtaining the US AID-funded Institutional Reform and the Informal Sector (IRIS) project. This five-year project, chaired by Mancur Olson, Distinguished Professor of Economics, includes activities in several countries in Asia, Africa, Eastern Europe and Latin America. URCI was created to administer this and other international projects.

The IRIS Center has been created as a distinct organizational entity within URCI. Subject to approval by the Chancellor, other international externally funded projects that are headed by UMCP faculty also may be administered by URCI.

It is expected that the combination of existing campus administrative experience and systems, and the new corporate capabilities of URCI will

result in the improved management of grants and contracts, according to Victor Medina of the Office of Research Administration and Advancement. The new corporation will be able to manage those administrative activities that have proved troublesome for many of the campus' international projects, he says.

The corporation's affairs are managed under the direction of a Board of Directors. For more information, contact any of the URCI officers.

URCI officers are President William E. Kirwan, President and Chairman of the Board, Mancur Olson, Vice President for the IRIS Center, Assistant Vice President for Administrative Affairs Samuel Lawrence, Treasurer, and University Counsel Andrea Hill Levy, Secretary.

—Tom Otwell

NOAA Grant for Oyster Study Awarded

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them eventually to die. While much is known about the organism that causes the disease, much less is known about why and how it causes damage to oysters. "Although the disease has existed in the bay for 30 to 40 years, there have been very few if any, studies done on the physiological effects of the disease on oysters," notes Ken Paynter, assistant research scientist with the Department of Zoology.

Unraveling the mystery of exactly how the disease harms the oyster is crucial to understanding how to save the bay oysters — and perhaps, the bay itself. Accordingly, Paynter and his collaborators from CEES, the University of Maryland at Baltimore County, and the Virginia Institute of

Marine Science, will focus on four aspects of the disease: its effects on oyster immunology; how it influences the oysters' ability to deal with changes in the salinity of the bay; how the disease impacts the oysters' feeding habits; and how certain biochemicals produced in oysters during stress, called "stress proteins," respond during infection.

"No one really understands the mechanisms of the morbidity and mortality of the disease in oysters," Paynter points out. "We know their growth is greatly reduced after they become infected and that the disease progresses quite rapidly, but we don't know why. There is something going on physiologically within the infected animals that we just don't understand."

If researchers could find a way to

ensure the health of the oysters, this might increase their numbers in the bay. Such an increase in the number of oysters could have significant positive ecological implications for the Chesapeake Bay.

"One of the main problems with the bay now is nutrification, which leads to an overproduction of phytoplankton — extremely small plant and animal life," Paynter says. "If we can begin to learn how to grow oysters and keep them healthy, they could not only play a big part in the economy of the state but also the ecology of the bay. Oysters would use up the extra algae and excess algae from the bay and then you could sell the oysters to consumers as food."

—Gary Stephenson



Budget Cuts Force Reduced Hours at University Libraries

Because of severe budget cuts, the University Libraries will be open fewer hours during the spring '92 semester.

The following schedule will be in effect for buildings and circulation services through the end of the semester on May 31:

Weekdays: All university libraries open Monday through Thursday, 10 a.m. to 10 p.m.; Friday, 10 a.m. to 5 p.m.

Saturdays: McKeldin and Art libraries open 10 a.m. to 5 p.m. The other five libraries—Architecture, Engineering and Physical Science

(EPSL), Hornbake, Music, and White Memorial (Chemistry)—will be closed.

Sundays: Hornbake, EPSL, Music and White Memorial Libraries will be open from 2 to 10 p.m. The Architecture library will be open from 5 to 10 p.m. and the McKeldin and Art libraries will be closed.

Late Night Study Room and Hornbake Reserve Services: Open Monday through Thursday from 7 a.m. to 2 a.m.; Friday from 7 a.m. to 5 p.m.; Sunday from 2 p.m. to 2 a.m.; and closed Saturday.

Entry into the Late Night Study

Room after 10 p.m. will require identification as an eligible borrower. No such identification will be required to enter university libraries before 10 p.m. during weekdays, although such identification may be required on weekends for entry or to obtain certain services.

For service hours for Special Collection Departments and Reference Desks, patrons should check desk schedules or call for updates on schedule changes.

Distinguished International Service Award

The International Affairs Committee is soliciting nominations for the second annual Distinguished International Service Award to be presented at the International Affairs Gala in September. The award is designed to recognize significant contributions to the university during the past few decades when international programs were being developed for the first time. Nominations should be sent to Marcus Franda, director of International Affairs, 1108 Benjamin Building. The deadline for nominations is March 1. For more information call 405-4772.

Death Penalty Not a Deterrent to Crime Says New Book by College Park Professor

The death penalty in this country is no more a deterrent to crime than life without parole, says Raymond Paternoster, a professor in the Institute for Criminal Justice and Criminology.



Raymond Paternoster

Paternoster is the author of a new book, *Capital Punishment in America* (Lexington Books).

"This book concerns the myths and misconceptions about the death penalty and the fact that the death

penalty is no better a solution to crime than is life imprisonment," says Paternoster.

Most Americans don't really want the death penalty, says Paternoster. "Public opinion shows that there is a great desire by citizens in this country not to have a death penalty and that society prefers life without parole that would include restitution

to the victim or survivors," he says. "We keep the death penalty because we mistakenly think that it gives us a greater sense of security."

The problem with life sentencing, says Paternoster, is that it has not meant life without parole.

"There is a feeling by the public that 'they will get out in four years and will be released to kill again. That frightens people," says Paternoster.

Currently, there are 2,500 people in this country on death row. Approximately 300 offenders are added to death row each year. In Maryland there are a little over 20 people on death row, but no one has been executed since 1960.

"We're a unique country in that we retain the death penalty when most other Western countries, such as Great Britain, Canada, France, Germany and Sweden, have abolished it," says Paternoster. "Those countries that do have the death penalty are such oppressive countries as Iraq and the Soviet Union."

The death penalty is also an expensive process says Paternoster because of the appeals process.

"I don't think we realize how costly the death penalty is," says Paternoster. "As a rule, over \$1 million is spent to prosecute the typical death penalty case. It is less expensive to have someone imprisoned for life. We save money by keeping them alive."

The death penalty, says Paternoster, remains racially discriminatory. "It's a vivid fact that throughout history one half of the executions were of black offenders. A much more subtle form of discrimination exists today, discrimination against those who kill whites. A white life is more valued than a black life. Since 1977 more people have been given the death penalty for killing a white than for killing a black, especially in the South."

"The whole process of the death penalty," says Paternoster, "is a lottery. A matter of luck. There is not much to distinguish those who live from those who die."

—Lisa Gregory

Study Finds Restrictive Licensing of Handguns Reduces Homicides and Suicides

Restrictive licensing of handguns has resulted in a prompt decline in homicides and suicides by firearms in the District of Columbia, according to a recent study by faculty members of the Institute of Criminal Justice and Criminology.

The study, which appeared in a recent issue of *The New England Journal of Medicine* and is co-authored by Colin Loftin, a professor; David McDowall, an associate professor; Brian Wiersema, a faculty research assistant; and Talbert J. Cottey, a graduate assistant, states that restrictions on the access to guns in the District of Columbia prevented an average of 47 deaths each year after 1976 when the law was adopted that banned the purchase, sale, transfer or possession of handguns by civilians. Homicides by firearms resulted in a reduction of 25 percent per month, and suicides by firearms resulted in a reduction of 23 percent per month.

According to the researchers, firearms, especially handguns, are a leading instrument of violent injury. In 1987, firearms accounted for 32,919

fatalities in the United States, including 18,144 suicides, 12,685 homicides, and 2,110 unintentional fatalities, legal intervention—such as killings by law enforcement officials—or deaths of undetermined type.

Sixty percent of all homicides and suicides during this year were committed with guns, and handguns accounted for three-fourths of the homicides by firearms, say the researchers.

"The most surprising feature of the District of Columbia experience," says Loftin, "is the magnitude and suddenness of the effect. Observers expected the gun-licensing law to have limited or gradual effects because it 'grandfathered' in previously registered handguns and did not directly remove existing guns from owners."

The researchers also found evidence that the restrictions on access to guns continued to exert a preventive effect even as homicide rates were driven up by conflict over drugs and other factors.

The study also notes that there were no similar reductions observed in the number of homicides or sui-

cides committed with by other means, nor were there similar reductions in the adjacent metropolitan areas in Maryland and Virginia.

"There were also no increases in homicides or suicides by other methods, as would be expected if equally lethal means were substituted for handguns," says Loftin.

"The data from the District of Columbia provide strong evidence that restrictive licensing of handguns reduced gun-related homicides and suicides, but they have limited usefulness in generalizing to other jurisdictions or to other policies designed to limit access to handguns," says Loftin. "Comparative studies of other gun-licensing laws would provide information on which to base wider generalizations and increase our understanding of the factors that influence the preventive effect of licensing laws."

—Lisa Gregory



At a recent press conference Colin Loftin presented findings on a study of restrictive licensing of handguns.

National Orchestral Institute to Hold Auditions

Auditions for the National Orchestral Institute's (NOI) fifth season will be held at College Park on February 22. Sponsored by the Maryland Summer Institute for the Creative and Performing Arts, the performing arts division of Summer and Special Programs at UMCP, the NOI is an annual full scholarship training program for America's most gifted advanced orchestral musicians, undergraduate through post-graduate. For more information, call 405-6540/6548.

ARTS

Images of America Opens January 29 At The Art Gallery

Images of America: The Painter's Eye, 1833-1925, featuring 63 paintings from the collection of Frederick and Joan Baekeland, opens January 29 at The Art Gallery. The exhibition, a collection of American landscape, marine, genre and still life painting, is not a standard textbook survey of 19th- and early 20th-century American art, but a personal selection reflecting the taste of two astute connoisseurs, says Cynthia Wayne, an acting director of The Art Gallery.

According to Wayne, the Baekeland's collection was acquired over two decades of study and education, and reveals their passion for beauty and keen ability to discern quality. Their collection includes exceptional work by little-known or obscure artists along with that of well-known masters. Paintings by Charles Porter, Kate Bissell and Paul Lacroix take their place beside those of more prominent artists such as Thomas Doughty, Asher B. Durand and Albert Bierstadt. A total of 58 artists

are represented in the exhibition, illustrating the most intellectual developments in the history of American art between 1833-1925.

Frederick Baekeland offers "Art Collecting: A Point of View," in the fully illustrated catalogue accompanying *Images of America*. In it, he remembers the beginnings of his interest in American paintings and says he found that American paintings "were not only a delightful slice of American history but also a highly seductive...vision of much that had vanished from American life."

The catalogue also reveals that paintings in the Baekeland's collection, as well as other collections, barely reflect the monumental changes that took place in the United States from 1833-1925. During this period the country was evolving from a largely rural and agricultural community to a more populous, urban and industrialized nation, yet railroads, factories and telegraph wires are absent from rural landscapes. The

exhibition's organizers attribute this to the desire for undisturbed beauty rather than renewed encounters with the problems of everyday life.

Images of America will be on view at The Art Gallery from January 29-March 15. The Art Gallery is located in the Art-Sociology Building and is open Monday through Friday from noon to 4 p.m.; Wednesday evenings until 9 p.m.; and Saturday and Sunday from 1 to 5 p.m. The exhibition and opening reception on January 29 from 5:30-7:30 p.m. are free and open to the public.

The exhibition was organized by the Birmingham Museum of Art and partially funded by the Corporate Members of the Birmingham Museum of Art, the Alabama State Council on the Arts, and the City of Birmingham. Its presentation at the University of Maryland at College Park was made possible through the support of the College of Arts and Humanities.

—Beth Workman



"The Telegram," a 1918 oil painting by William McGregor Paxton

Adele Berlin Authors Book on Biblical Poetry and Rhetoric

Biblical Poetry Through Medieval Jewish Eyes, Adele Berlin's newest book, was recently published by Indiana University Press. In the book, Berlin, professor of Hebrew in the Department of Hebrew and East Asian Languages and Literatures, makes available in English for the first time an extremely important group of medieval and Renaissance texts on biblical poetry.

"At no time in recent history has literary theory been taken more seriously by biblical scholars or has the Bible been given more attention by

literary scholars," says Berlin. "As a result, there is now much common ground between these two disciplines. It is at the juncture of biblical and literary studies that this book has its place, for it seeks to present to members of these disciplines material that, for different reasons, should be of interest to both—namely, medieval and Renaissance Jewish writings on biblical poetry and poetic theory."

The texts presented in the book date from the ninth to the 17th centuries and were produced in three of the main centers of Jewish culture: Spain,

Provence and Italy. According to Berlin, these writings, which include excerpts from biblical commentaries as well as historical, philosophical, grammatical and literary treatises, "have been neglected, by and large, even by scholars of Jewish studies; and, because most have not been translated into modern European languages, they are unknown to those who do not read Hebrew. My main purpose is to call attention to the existence of this body of work, and to make it available in English translation."

The book is divided into two parts. Part one contains a discussion of medieval and Renaissance views of biblical poetry and rhetoric that highlights the main lines of historical development and suggests relevant connection with modern research on biblical poetry.

Part two presents translations of individual excerpts, preceded by a brief autobiographical note on the author, the general contents of the work from which the excerpt was taken, and a summary of the excerpt.

Berlin also is the author of *Poetics and Interpretation of Biblical Narrative* and *The Dynamics of Biblical Paralelism*.



Adele Berlin

UMCP and Smithsonian Offer Art History Course

The Department of Art History and Archaeology is drawing on the resources of the Smithsonian Institution's Arthur M. Sackler Gallery and Freer Gallery of Art to offer an upper level art history course this semester. The course, "Studies in South Asian Art: Vishnu," providing an introduction to the ancient art of South Asia, focuses on the Hindu god Vishnu as met in his many guises in classical sculpture, architecture and painting.

The colloquium will be taught at the Sackler and Freer Galleries by Dr. Carol Radcliffe Bolon, assistant cura-

tor of South and Southeast Asian Art at the galleries, with special lectures by Dr. Milo Beach, director of the galleries, and Ms. Louise Cort, assistant curator for Ceramics at the galleries.

The course is open to College Park students as well as students from other universities and colleges within the Consortium of Universities of the Washington Metropolitan Area. For further information, contact Doug Farquhar in the Department of Art History and Archaeology at 405-1479.

Annual Minority Student Job Fair

The 15th annual Minority Student Career and Job Fair will be held Wednesday, Feb 19 in the Grand Ballroom of the Stamp Student Union. The fair is co-sponsored by the Office of Minority Student Education and the Career Development Center. One hundred organizations ranging from non-profit to private, federal, state and local agencies will be represented. Open to both undergraduate and graduate students, as well as alumni, the fair offers opportunities to learn more about internships and co-op programs as well as full-time positions. For more information, call 405-5616 or 314-7225.

Researcher Links Fat Intake to Adrenal Gland Hormone

Norman E. Pruitt, MAES



Thomas W. Castonguay

Many factors contribute to the decisions we make about what we eat. Taste preferences, cultural practices and affordability all influence the composition of our diet. Physiologically determined mechanisms also guide our selection of foods to meet our bodies' nutritional needs. Although we don't always eat right, these mechanisms ensure that our diets

remain balanced.

Why then, do some of us get fat? Why don't these physiological mechanisms stop us from getting too much of a good thing? The work of Thomas W. Castonguay, associate professor of human nutrition, has shed some light on these questions and advanced our understanding of the physiological basis of obesity.

"We've learned more about obesity in the last five years than ever before," says Castonguay, a physiological psychologist who also is a researcher with the Maryland Agricultural Experiment Station.

Castonguay and his colleagues have learned that a key to under-

standing obesity may lie in the adrenal gland, not the stomach. Their research provides compelling evidence that hormones secreted by these small glands perched on top of the kidneys play an important role in determining the amount of fat that people include in their diets.

The hormones, called glucocorticoids, regulate the body's blood level and use of glucose, a sugar that is a primary source of energy. Castonguay has demonstrated that obese rats have a higher than normal level of these hormones and that they prefer to eat high fat foods.

Castonguay has also shown that removal of the adrenal glands, which eliminates the glucocorticoids, causes obese rats to reduce the amount of fat that they include in their diet. When glucocorticoid supplements are given to these adrenalectomized rats, their preference for fat is restored and they gain weight.

According to Castonguay, normal rats that have gone without food for one or two days also have high levels of glucocorticoids. When given free access to a variety of foods, these rats also prefer to feed on high fat foods.

People with Cushing's Syndrome, a genetic disorder that produces increased glucocorticoid levels, show

a rapid weight gain and a preference for fatty foods. Clearly, says Castonguay, elevated glucocorticoids play a role in the intake of and preference for fatty foods.

Castonguay cautions, however, that a treatment for obesity based on his findings is a long way off. "We're not ready to even think about using a drug to block glucocorticoid receptors in the brain," he says. "We still don't know how these hormones are modulating fat intake. We don't know if it's controlled by the brain or by a structure or system outside the central nervous system."

To try to answer these questions, Castonguay plans to inject the hormones directly into the brains of rats that have had their adrenal glands removed. He wants to see if this will restore the rats' preference for fat following fasting.

If Castonguay finds that brain injections restore obese eating habits, he will then try to determine the specific brain sites involved by applying the hormones to discrete brain areas. "What we're trying to do," he says, "is bridge the gap between nutrition and the brain."

—John Bowersox
MAES

Entomologist Uses Biocontrol on Trees and Shrubs

Before Michael J. Raupp began studying the ladybird beetle, *Chilocorus kuwanae*, his biological control efforts for pests were targeted at traditional agricultural systems. Raupp's "opportunity to embark on research benefiting all client groups in the state" (through the Maryland Agricultural Experiment Station) involves evaluating how effectively *C. kuwanae*, the euonymus scale predator, controls ornamental crop pests.

Raupp, professor of entomology, says the production of ornamental plants in greenhouses and nurseries is by far the largest agricultural crop industry in the state. And yet, he says, "statewide, well-documented scenarios are unknown for systems involving ornamental plants."

By studying *C. kuwanae*, which so far has had varying success, Raupp plans to understand thoroughly its behavior and life history and thereby develop optimal release strategies for control of the ladybird beetle, as well as white peach and San Jose scale pests, and determine the characteris-

tics of control.

Raupp poses this theoretical question: does *C. kuwanae* control armored scale pests by achieving a low, stable equilibrium or by local extinctions? He is seeking the answer not only to help researchers better understand predator-prey interactions, but also to help pesticide applicators and those opposing pesticide use to achieve workable compromises. He believes the application of biological control strategies is a cooperative effort that benefits plant producers, caretakers and consumers.

Related to the concept of cooperation is Raupp's concern that pesticide applicators have an erroneous image. "Some people think [applicators] just like to go out and squirt chemicals and that they're defiling the environment. But at the heart of their business is the preservation of the aesthetics and quality of landscapes and the environment.

With proven and effective biological controls, Raupp says, pesticide applicators will rely less on chemicals to achieve control, which may alter

inaccurate perceptions about them.

Raupp and his colleagues have found that up to 95 percent of pesticides used on landscapes and in nurseries may be unnecessary. But they remain optimistic about implementing biological controls in these settings because of successful laboratory studies. Also, Raupp, Jack Drea (a research entomologist at USDA-Beltsville Agricultural Research Center), entomology graduate student Brenda Bull and Bartlett Tree Expert Company have released *C. kuwanae* along with the application of conventional pesticides in the shrubs of a Baltimore housing unit. As with all biological controls, says Raupp, "there is no instantaneous effect."

However, this evaluation, which may take two or more seasons, will provide the field results necessary to validate the utility of this approach.

—Kevin Miller
MAES Science Editor

PITCrew at the Ready

It was a gray, cloudy morning when you arrived on campus and you left your car lights on. Now, at quitting time, your battery is dead. Not to worry. The PITCrew booths that you have seen around campus have jumper cables. All you have to do is leave a driver's license or student or staff ID with the booth attendant and you can borrow, free of charge, those much needed jumper cables. The PITCrew is another service of the Department of Campus Parking.

F.Y.I.

Black History Month Highlights

February is Black History Month. The Office of Campus Activities will distribute a comprehensive calendar of events and activities taking place at the university.

The following are some highlights.

Black History Month Opening Ceremonies will be held Thursday, January 30 at 3:30 p.m. in the Colony Ballroom of the Stamp Union. For information, call 314-7174.

"We Are Family" will be held Saturday, February 1 at 6 p.m. in Memorial Chapel. Sponsored by the Department of Physical Plant, the event will feature spiritual and gospel music and experiences. For information, call 405-3248.

Roots author Alex Haley will lecture

Tuesday, February 4 at 7:30 p.m. in the Grand Ballroom of the Stamp Union. For information, call 314-8342.

Ma Rainey's Black Bottom, a play by August Wilson and sponsored by University Theater, will be performed in Tawes Theater February 20, 21, 22, 27, 28, and 29. For information, call 405-2201.

"Umoja Sasa: African Storytellers" will be held Tuesday, February 25 at 6 p.m. in the Stamp Union Atrium. The program, sponsored by the Stamp Union Program Council and Resident Life, features a group of African storytellers telling stories involving audience participation. For information, call 314-8495.



Silver Spring Freshman to be UMCP President for the Day

For part of a day early next month, William E. Kirwan will relinquish the reins of his post as the chief executive officer of the University of Maryland at College Park to become a college freshman again.

At the same time, Magali Theodore, a Banekker Scholar from Silver Spring, will don the mantle of president of the university for part of the

day, Tuesday, February 4. A freshman French major, Theodore won a recent raffle drawing in which students, for \$1 each, purchased the chance to sit in Kirwan's chair for a day. Proceeds from the raffle support activities and programs of the Student Alumni Association.

Theodore will preside over the campus from 11 a.m. to 3 p.m.

New Organization to Promote Asian Issues Formed

The recently organized Asian Faculty, Staff and Graduate Student Association will hold its first spring meeting Tuesday, Feb. 5 from 4-5:15 p.m. in room 1102 of Francis Scott Key. A talk on "African-American and Asian Relations in the U.S." will be presented by Tsze Chan, assistant professor of the Afro-American Studies program.

The event is the first in a series of three general meetings and seminars this semester held by the association to bring together the diverse Asian

groups at the university and to encourage the participation and influence of Asian communities on campus.

The second seminar, "Persisting Asian Cultural Teachings and Asian American Women in the U.S.," will be presented March 4 by Seung-Kyung Kim, assistant professor of Women's Studies, and Bonnie Oh, assistant dean of Undergraduate Studies, who was elected president of the association last fall.

Chemistry Professor Glen E. Gordon Dies

Glen E. Gordon, 56, professor of chemistry and an internationally recognized authority in nuclear and environmental chemistry, died of pneumonia January 13 at George Washington University Hospital.

Born in Keokuk, Iowa, Gordon grew up near West Point, Ill. He earned his Ph.D. in nuclear chemistry at the University of California in 1960.

After serving as an associate professor at the Massachusetts Institute of Technology, Gordon joined College Park in 1969 during the development of the Maryland cyclotron. He spearheaded the use of high resolution gamma-ray detectors for a wide range of studies in nuclear fission,

reactions and structure and in 1977 received the American Chemical Society's national award for Nuclear Applications in Chemistry.

Gordon recognized the potential for using nuclear techniques of chemical analysis in environmental studies. His work on the identification of sources of pollutants has been an important factor in developing regulations for cleaner air.

A memorial service was held at the campus Chapel January 17. The Glen Gordon Memorial Scholarship has been established and contributions to it may be made by contacting the Chemistry department.

Retired Physics Professor R.G. Glasser Dies

Robert Gene Glasser, 62, a professor and pioneer in the use of computers for physics experiments who retired from College Park in 1989, died of cancer on January 8, 1992. He lived in College Park.

Glasser, who came to the university in 1965, was a professor of both physics and computer science. He contributed significantly to the discovery of the properties of strange particles in the 1950s and 1960s, using first the nuclear emulsion and then the bubble chamber technique. More recently, he worked on experiments at the Deutsches Elektronen-Synchrotron in Hamburg, Germany that first observed the quantum of the strong interaction field known as the gluon.

Besides his physics research, Glasser played an important role in helping to set computer science policy for the University of Maryland at College Park.

Glasser was born in Chicago, Illinois. He attended the University of Chicago, where he obtained his B.S., M.S., and Ph.D. degrees. Glasser moved to the Washington, D.C. area in 1955. He was a fellow of the American Physical Society.

CALENDAR

Dance Department to Offer Spring Classes

The Department of Dance announces the spring session of the Creative Dance Lab, a high quality, low cost community dance program for children and teens. Through explorations of the elements of space, time, and energy, children learn to use movement as a means of self-expression. Saturday classes in creative movement and modern dance start Feb. 1. Call Liz Rolland at 405-7039 for more information.

JANUARY 27-FEBRUARY 6



The award-winning Cleveland Quartet celebrates its tenth season with The Concert Society at Maryland in an all-Beethoven program on Feb. 1 at 8 p.m. at the Center of Adult Education. Tickets are \$17 standard admission, \$15.30 faculty and staff, \$14.50 seniors, and \$5 students. Call 403-4240 for information.

27 MONDAY

Center for International Security Studies at Maryland (CISSM) Speaker, Linton F. Brooks, U.S. Department of State, noon, Student Lounge, Morrill Hall. Call 403-8114 for info.

Horticulture Colloquium: "Bud Dormancy in Fruit Trees: New Physiological and Biochemical Events," Miklos Faust, USDA-ARS, Beltsville, 4 p.m., 0128B Holzapfel. Call 5-4336 for info.

Women's Basketball vs. Georgia Tech, 7:30 p.m., Cole Field House. Call 4-7064 for info.*

28 TUESDAY

Ecology Seminar: "Parental Investment and Life History Variation," Peter Frumhoff, Zoology, noon, 1208 Zoo/Psych. Call 5-6945 for info.

Center for International Development and Conflict Management (CIDCM) "Brown Bag" Seminar: "Protest Rebellion and Reform: The Resolution of Ethnic Conflicts in Western Democracies," Ted Gurr, Government and Politics, 12:30 p.m. (bring lunch), 2nd floor, Mill Bldg. Call 4-7703 for info.

Physics Colloquium: "Time Asymmetry," Jonathan Halliwell, MIT, 4 p.m., 1410 Physics. Call 5-5953 for info.

Business Seminar: "Family Business Issues and Answers," Dingman Center for Entrepreneurship Seminar Series, 6-9 p.m., Stouffer Harborplace Hotel, Baltimore. \$35 includes dinner. Call Dominique Smith at 5-2151 by Jan. 23 to register.*

29 WEDNESDAY

Art Gallery Exhibition: "Images of America: The Painter's Eye, 1833-1925," 63 paintings and watercolors of landscapes, marine views, genre scenes and still lifes from the collection of Dr. and Mrs. Baekeland, Jan. 29-Mar. 15; opening reception, Jan. 29, 5:30-7:30 p.m., The Art Gallery. Call 405-2763 for info.

30 THURSDAY

Black History Month Opening Ceremonies, 3-4:30 p.m., Colony Ballroom, Stamp Student Union. Call 314-7174 for info.

Meteorology Seminar: "Solar Variability: A Terrestrial Perspective," Judith Lean, Naval Research Laboratory, 3:30 p.m., 2106 Computer and Space Sciences; refreshments, 3 p.m. Call 5-5392 for info.

"Writers Here and Now" Reading: Charles Baxter, 3:30 p.m., 1120 Surge Building. Call 5-3819 for info.

History and Philosophy of Science Colloquium: "Science Without Induction," Frederick Suppe, CHPS/Philosophy, 4 p.m., 1116 IPT. Call 5-5691 for info.

Engineering Research Center Reliability Seminar: "Comparing Reliability Approaches—Nuclear Power, Manufacturing, and Process Control Industries," Kenneth Rebeck, RWD Technologies, 5:15-6:15 p.m., 2110 Chemical and Nuclear Engineering Bldg. Call 5-3887 for info.

31 FRIDAY

Speech Communication Colloquium: "Living with Cancer Vicariously: An Analysis of a Prime-Time Televised Experience of Illness," Vicki Freimuth, Speech Communication, noon, 0147 Tawes. Call 5-6524 for info.

Center for International Development and Conflict Management (CIDCM) Workshop: "Democracy, Peace and the Israeli-Palestinian Conflict," Palestinian, Israeli, and American scholars, 2:30 p.m., 2100 Center of Adult Education. Call 4-7703 for info.

Schubert Concert: (to celebrate his 195th birthday) Die Winterreise, James McDonald, tenor, Ruth Ann McDonald, piano, 8 p.m.; pre-concert symposium, Peter Beicken, German Languages, 7 p.m., Tawes Recital Hall. Call 5-5548 for info.

FEBRUARY

1 SATURDAY

"We Are Family" Program, spiritual/gospel music, sponsored by Physical Plant for faculty, staff, students and the community, 6 p.m., Memorial Chapel. Call 5-3248 for info.

Concert Society at Maryland, Cleveland Quartet performs Beethoven, 8 p.m., Center of Adult Education. Call 80-4240 for info and reservations.*

3 MONDAY

Horticulture Colloquium: "Basic Aspects of the Anabaena-Azolla Symbiosis

and its Applications to Water Resource Management," Eliska Tel-Or, The Hebrew University, Israel, 4 p.m., 0128B Holzapfel. Call 5-4336 for info.

Guarneri String Quartet Open Rehearsal, works by graduate student Tom Licata and Beethoven, 7 p.m., Tawes Recital Hall. Call 5-5548 for info.

4 TUESDAY

Ecology Seminar: "Genetic Analysis of a Hybrid Zone Between Golden-collared and White-collared Manakins in Panama," Tom Parsons, Smithsonian Institution, noon, 1208 Zoo/Psych. Call 5-6945 for info.

Women's Studies Panel Discussion: "We Were There: African-American Women and the Civil Rights Movement," UMCP students, staff, and faculty, noon-1:30 p.m. (bring lunch), 0105 Hornbake Library. Call 5-6877 for info.

Physics Colloquium: "Studies of Materials by Numbers," Uzi Landman, Georgia Institute of Technology, 4 p.m., 1410 Physics. Call 5-5953 for info.

5 WEDNESDAY

Center for International Development and Conflict Management (CIDCM) Annual Phillips Lecture: "The Middle East Peace Process," Amine Gemayel, President of Lebanon 1982-1988, 3 p.m., 1240 Zoo/Psych. Call 4-7703 for info.

6 THURSDAY

Meteorology Seminar: "How Supercomputer Compilers Work," William Pugh, Computer Science, 3:30 p.m., 2106 Computer and Space Sciences; refreshments, 3 p.m. Call 5-5392 for info.

History and Philosophy of Science Colloquium: "Philosophy of Technology in the (former) Soviet Union," Helena Gourko, Byelorussian University, Minsk, 4 p.m., 1116 IPT. Call 5-5691 for info.

Asian Faculty, Staff and Graduate Student Association General Meeting and Seminar: "African-American and Asian Relations in the U.S.," Tsze Chan, Afro-American Studies, 4:15-5:15 p.m., 1102 F.S. Key. Call 5-2842 for info.

Engineering Research Center Reliability Seminar: "Designing Buildings that Fail: Code Development and Theoretical Analysis," Ross Corotis, John Hopkins U., 5:15-6:15 p.m., 2110 Chemical and Nuclear Engineering Bldg. Call 5-3887 for info.

* Admission charged for this event. All others are free.